

STEREO 230

Integrated Amplifier

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LEAK

Specifications



Model	STEREO 230
General Description	Integrated Amplifier
Design Philosophy and Core Technology	<ul style="list-style-type: none"> • 2x75W(8ohm) / 2x115W(4ohm) Class AB • ST MOSFET TDA7293 Dual Parallel Amplifier • ES9038Q2M 32-bit DAC • Built in certified hardware MQA Full decoder (PC USB,Coax/Optical) • Support Bluetooth 5.0 (aptX / aptX LL) streaming • Low Noise Moving Magnet Phono stage • Dedicated Current-Feedback Headphone AMP • Support USB Upgrade
Inputs	2 x Analogue, 1 x Phono (MM), 1 x SPDIF (Coax), 1 x SPDIF (Optical), 1 x HDMI ARC, 1 x PC USB (USB B), 1 x Bluetooth (aptX/aptX LL), 1 x 12V Trigger
Outputs	1 x PRE Amplifier, 1 x Stereo Speaker, 1 x Headphone, 1 x 12V Trigger
Sampling Frequency	Optical/Coaxial: 44.1kHz ---192kHz PC USB: 44.1kHz-768kHz (PCM) / DSD64, DSD128, DSD256, DSD512
Preamplifier Section	
Gain	+41dB (Phono MM)
Input Sensitivity	550mV (Line, Volume =MAX) 4.8mV (Phono MM, Volume=MAX)
Input Impedance	10K (Line) 47K // 100pF (Phono MM)
Total Harmonic Distortion (THD)	<0.001% (1KHz @ 2V, TONE=ON)
Frequency Response	20Hz-20kHz (+/-0.1dB)
Output Voltage	2.3V max. (Volume = MAX)
Output Impedance	100 ohm
Signal-to-Noise Ratio	> 110dB (Line, A-weighted); >75dB (Phono MM, A-weighted)
DAC	
D to A Converter	ES9038Q2M
Total Harmonic Distortion (THD)	<0.002% (1KHz @ 0dBFS)
Output level (0dBFS, 1KHz)	2.3Vrms
Max. Sampling Frequency	Optical, Coaxial: 192kHz, PC USB: PCM768kHz, DSD512
Signal-to-Noise Ratio (S/N)	> 115dB (A-weighted)
Power Amplifier Section	
Gain	+32dB
Rated Power Output	2 x 75W (8 ohm, THD<1%); 2 x 115W (4 ohm, THD<1%)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Total Harmonic Distortion (THD)	<0.003% (1kHz @ 30W/8 ohm)
Input Sensitivity	550mV
Signal-to-Noise Ratio (S/N)	> 109dB (A-weighted)
Headphone Amplifier	
Total Harmonic Distortion (THD)	<0.01% (1kHz, 50mW)
Output Impedance	4.7 ohm
Load Impedance	16-600 ohm
General	
Standby Power Consumption	<0.5W
Net Weight	12.7kg
Gross Weight	15.2kg
Dimensions (mm) (W x H x D)	328*147*414
Carton Size (mm) (W x H x D)	514*428*210
Finish	Walnut / Silver
Power Requirements (depending on region)	220-240V ~ 50/ 60Hz 100-120V ~ 50/ 60Hz
Standard Accessories	Power Cord, Remote Control, User Manual, Antennas, etc.



**available with / without wood chassis*

LEAK

www.leak-hifi.co.uk LEAKofficial1934 lekaudio

Leak HiFi Official

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Overview

One of the biggest names of the mid-twentieth century British Hi-Fi scene burst back into the mainstream with the **LEAK CDT** and **STEREO 130**, in the year 2020.

Firmly re-established as a Hi-Fi mainstay, the **LEAK** product portfolio is expanding with the new **LEAK STEREO 230** – a high performance, high fidelity integrated amplifier designed for the modern-day audio and movie enthusiast.

Building upon the class and style that made the **STEREO 130** a rip-roaring success, the **LEAK STEREO 230** adds more power, more functionality and more substance for the discerning audiophile.

Designed to be the perfect match for a wide variety of sources and providing higher levels of amplification, the **LEAK STEREO 230** offers a 115w per channel output.



It also offers a newly developed HDMI ARC connectivity function to realise the highest quality audio in AV applications, for a fully equipped integrated amplifier to meet the demands of modern audiophiles and cinephiles.

The **LEAK STEREO 230** can be connected to a host of analogue and digital sources, thanks to its diversity of inputs. A built-in Moving Magnet (MM) phono pre-amplifier allows for direct connection to turntable record players.

To fully accommodate the modern-day music enthusiast, much effort has been made to ensure the **LEAK STEREO 230's** digital circuitry delivers the level of quality one might expect of a high-performance standalone D/A converter, let alone an integrated amplifier solution.

You can also stream music to the **LEAK STEREO 230** from any Bluetooth device, such as portable music players, tablet PCs or smartphones, via the built-in aptX and AAC Bluetooth codec. One can therefore enjoy CD quality audio over the Bluetooth wireless connection.

Carefully designed in line with the **LEAK** ethos of performance, reliability and craftsmanship, the **LEAK STEREO 230** matches contemporary performance with stand-out, classic **LEAK** styling.



MOVIE & MUSIC ENTHUSIAST AT ITS HEART

The **LEAK STEREO 230's** all-round performance is engaging, detailed and refined. Detail, timing and dynamics excel, regardless of source or medium.

Designed for the modern-day movie and music enthusiast with a nod to our heritage, the **LEAK STEREO 230** does not discriminate when it comes to expression and enjoyment of your music and movie reproduction.

TURNTABLE READY

Traditional audiophiles will recognise the assured quality in the high-quality, low-noise turntable input of the **LEAK STEREO 230**. Optimised for moving magnet cartridges, the JFET-based circuit offers precise RIAA equalisation in accordance with de facto industry standards for vinyl record playback.

HEADPHONE USERS

The **LEAK STEREO 230** uses a dedicated amplifier circuit with current-feedback technology for the headphone output. Equal in performance to standalone headphone amplifiers, beyond the price class of this complete system, the design offers high-speed output signal transition thanks to a high slew rate. The result is a dynamic, detailed and engaging performance with all manner of headphone types.

CONVERSION WITHOUT COMPROMISE

Utilising the acclaimed ES9018 Sabre32 Reference chip with ESS Technology's 32-bit HyperStream architecture and Time Domain Jitter Eliminator, the **LEAK STEREO 230** offers ultra-low noise, high dynamic range of digital audio files with a sampling rate of up to 384kHz (PCM) and DSD256.

ARC DE TRIOMPHE

Equipped with an Audio Return Channel (ARC) connection, the **LEAK STEREO 230** integrates perfectly for home AV applications, bringing the **LEAK** Hi-Fi pedigree to your screen, too.

